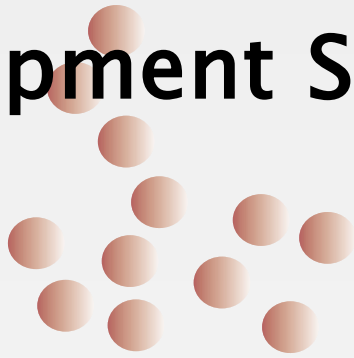


Equipment Specification Sheet



Trexel® Series II SCF Delivery System

Trexel Series II SCF Delivery Systems with integral pumps are industrial machines intended to be used to provide CO₂ or N₂ to extruders or injection molding machines being employed in the MuCell® processing of plastics. These systems have been designed to take in gaseous CO₂ or N₂, compress the gas to a supercritical state, then accurately meter the SCF into extruders or injection molding machines at delivery pressures of up to 4,000-psi (275 bar). The machines have been designed according to their maximum flow capacity of CO₂ in lb/hr.

The major components of Trexel Series II SCF Delivery Systems include a booster pump, a pre-metering pressure regulator, a mass flow element, an E/P converter, and a PLC controller with a multilingual touch screen. The PLC controller allows for serial communication, remote operation, and tie-in with statistical process control programs, and controls every variable necessary to maintain flow rate. All plumbing and electrical connections are located on the rear panel of the machine. All user wiring is external to machine.

System Specifications

Model	SII - 3	SII - 10	SII - 30	
N ₂ Max. Flow @ 4000-psi	(lb/hr)	1.9	6.4	19.2
	(kg/hr)	0.9	2.9	8.7
CO ₂ Max. Flow @ 4000-psi	(lb/hr)	3.0	10.0	30.0
	(kg/hr)	1.4	4.5	13.6
Minimum Supply Pressure	(psi)	200		
	(bar)	13.8		
Maximum Supply Pressure	(psi)	2900		
	(bar)	200		
Overall Dimensions	(inch)	24 W x 51 H x 27 D	36 W x 51 H x 27 D	
	(cm)	61 W x 130 H x 69 D	91 W x 130 H x 69 D	
Footprint Dimensions	(inch)	24 W x 51 H x 24 D	36 W x 51 H x 24 D	
	(cm)	61 W x 130 H x 61 D	91 W x 130 H x 61 D	
Weight	(lb.)	500	800	
	(kg)	227	364	
Required Utilities	230/110 VAC, 1Φ, 50/60 Hz			
Electricity to System				
Air Flow to System	40 SCFM	80 SCFM		
	(1128 NLM)	(2265 NLM)		
Air Pressure to System	90-psi (6.2 bar) Minimum			
	150-psi (10.4 bar) Maximum			

